**Intermediate Algebra Skill**
*Solving Compound Linear Inequalities: Decimal Coefficients*

Solve the following Compound Linear Inequalities:

1) $-3.2 < n - 5.8 \leq 1.13$

2) $-1.5 \leq b + 4.9 < 7.5$

3) $-10.2 < n - 5.6 \leq -6.3$

4) $-38.95 \leq 9.5k \leq 40.85$

5) $-0.265625 < \dfrac{n}{6.4} < 0.875$

6) $-16.393 < -0.3 + 1.9v < 0.65$

7) $7.906 < 0.2n + 8.7 \leq 9.21$

8) $-61.97 \leq 8.5 + 8.7n < 75.49$

9) $-27.01 \leq 2.7k - 10 \leq -14.32$

10) $30.88 \leq 3.3n - 1.13 \leq -28.19$

## Answers to Solving Compound Linear Inequalities: Decimal Coefficients

1) $2.6 < n \leq 6.93$

2) $-6.4 \leq b < 2.6$

3) $-4.6 < n \leq -0.7$

4) $-4.1 \leq k \leq 4.3$

5) $-1.7 < n < 5.6$

6) $-8.47 < v < 0.5$

7) $-3.97 < n \leq 2.55$

8) $-8.1 \leq n < 7.7$

9) $-6.3 \leq k \leq -1.6$

10) $\varnothing$